

SEGMENT

The Team



Andre



Michal

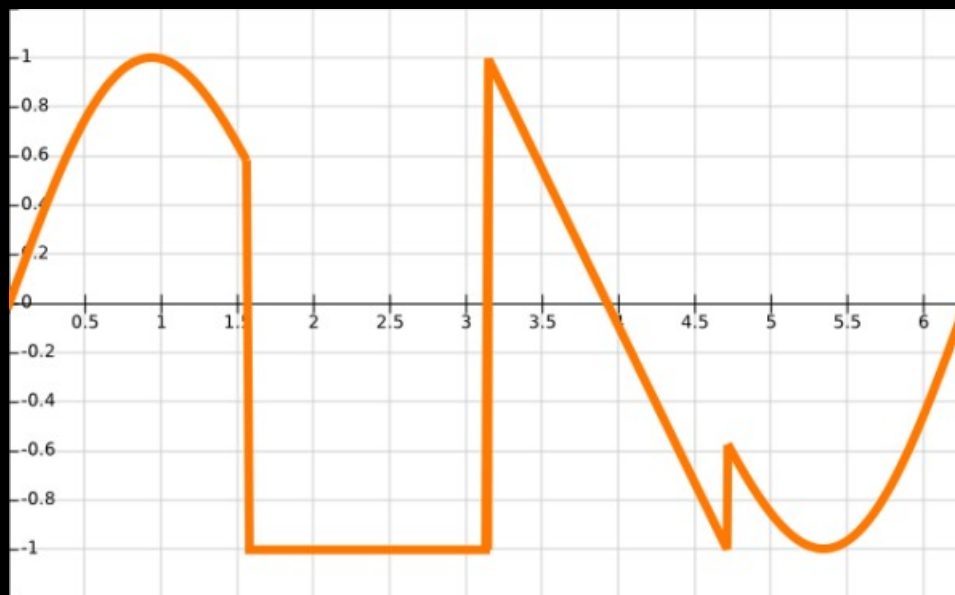
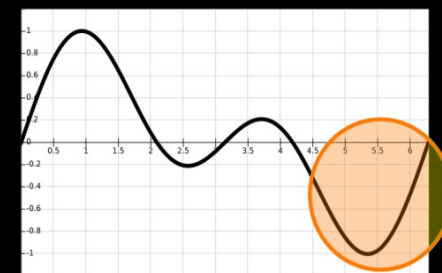
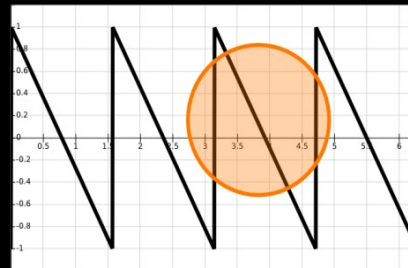
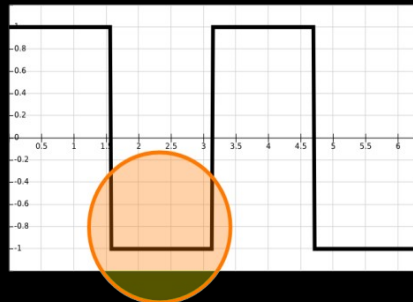
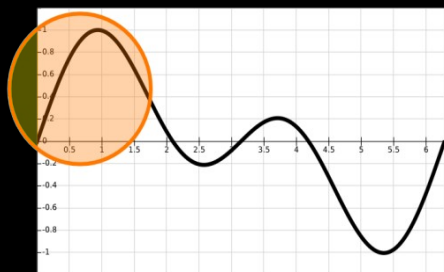


Amir

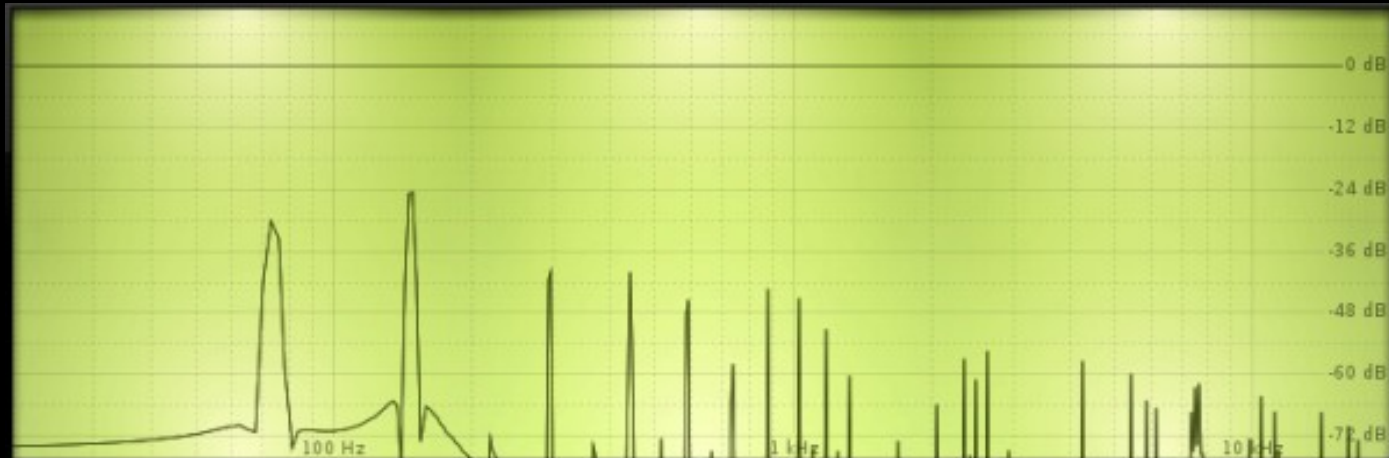


Martin

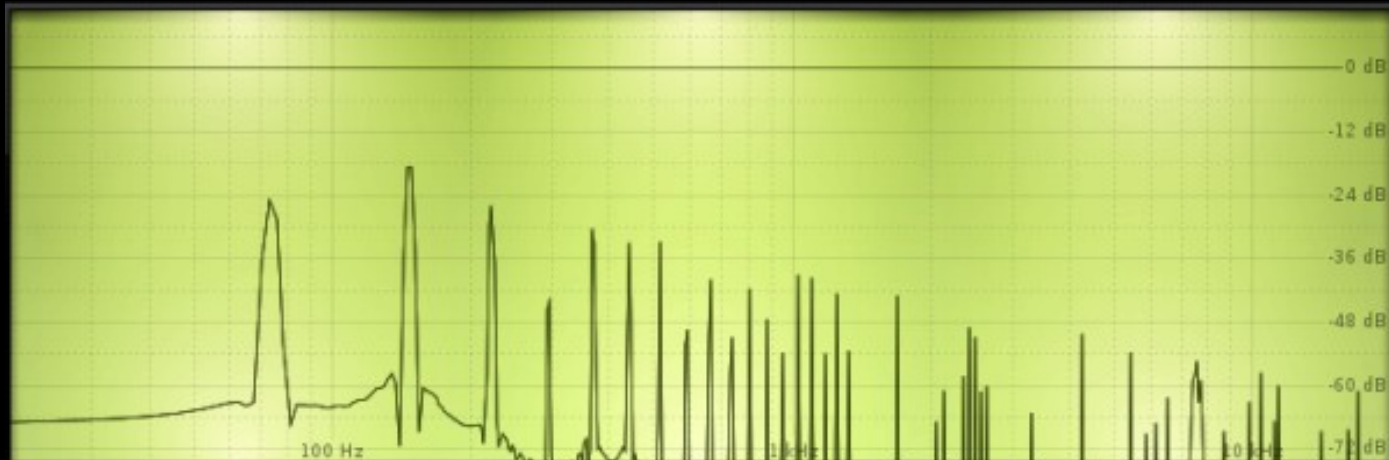
Segment Synthesis



Segment Synthesis

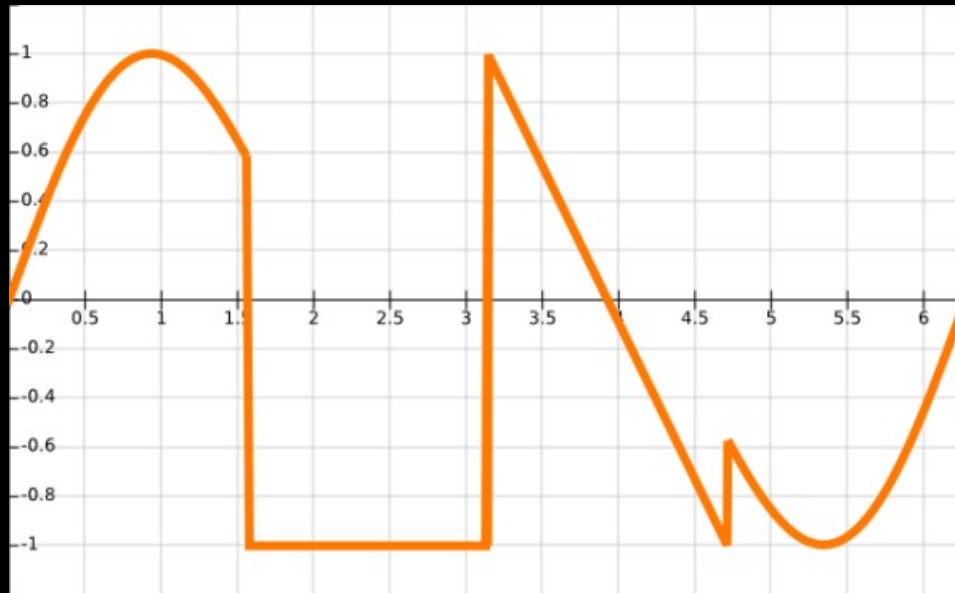


Additive

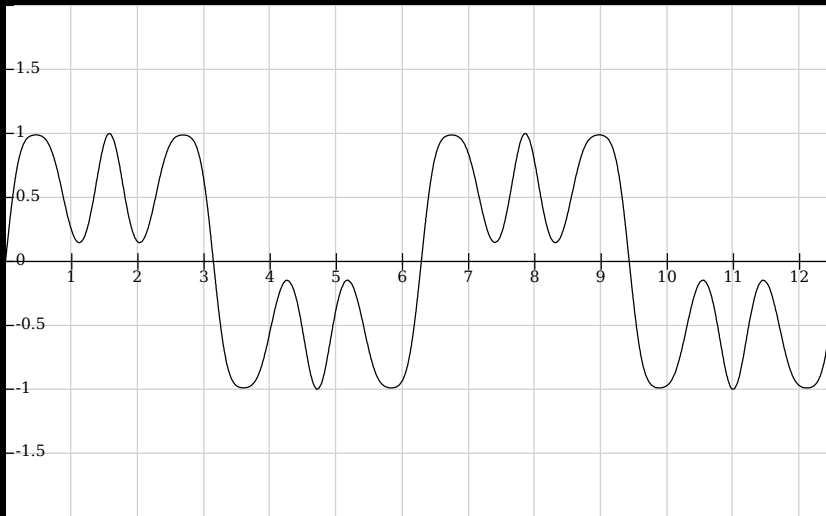


Segment

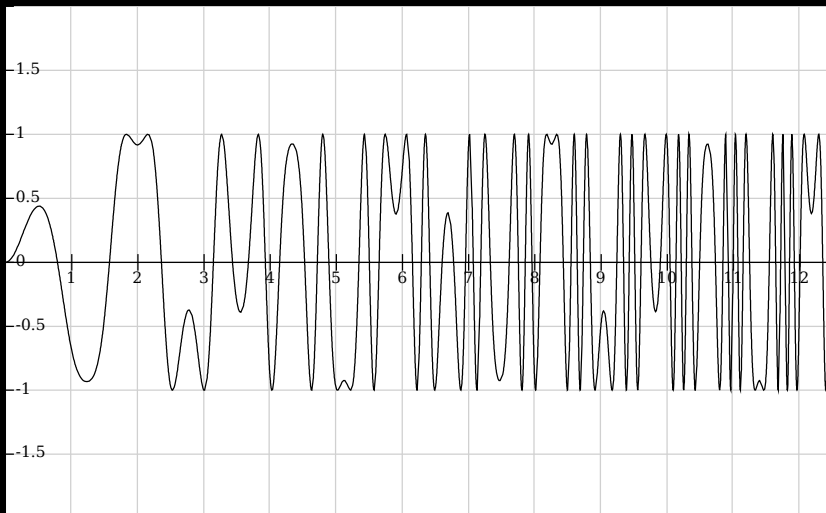
Segment Synthesis



Frequency Modulation



$$\sin(x + \sin(4x))$$



$$\sin(x * \sin(4x))$$

Controls



A

B

C

D

E

1/1

1/2

1/4

1/8

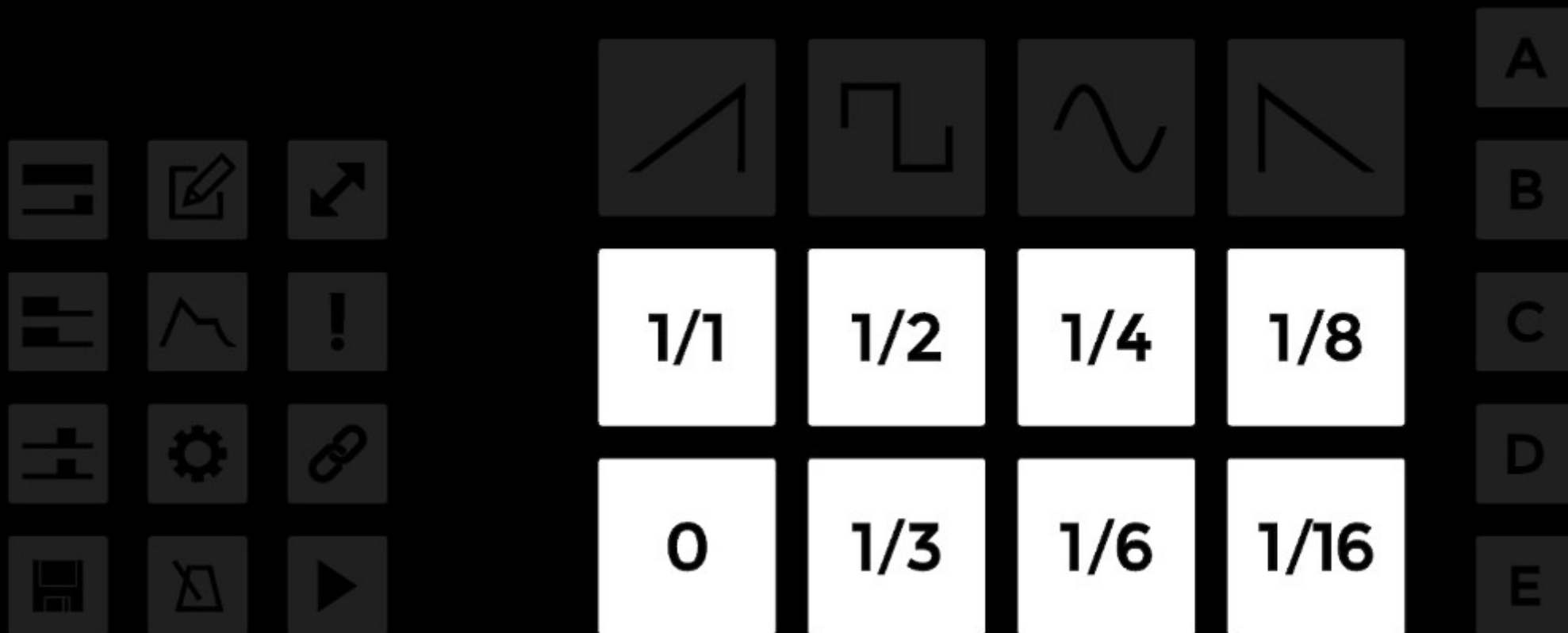
0

1/3

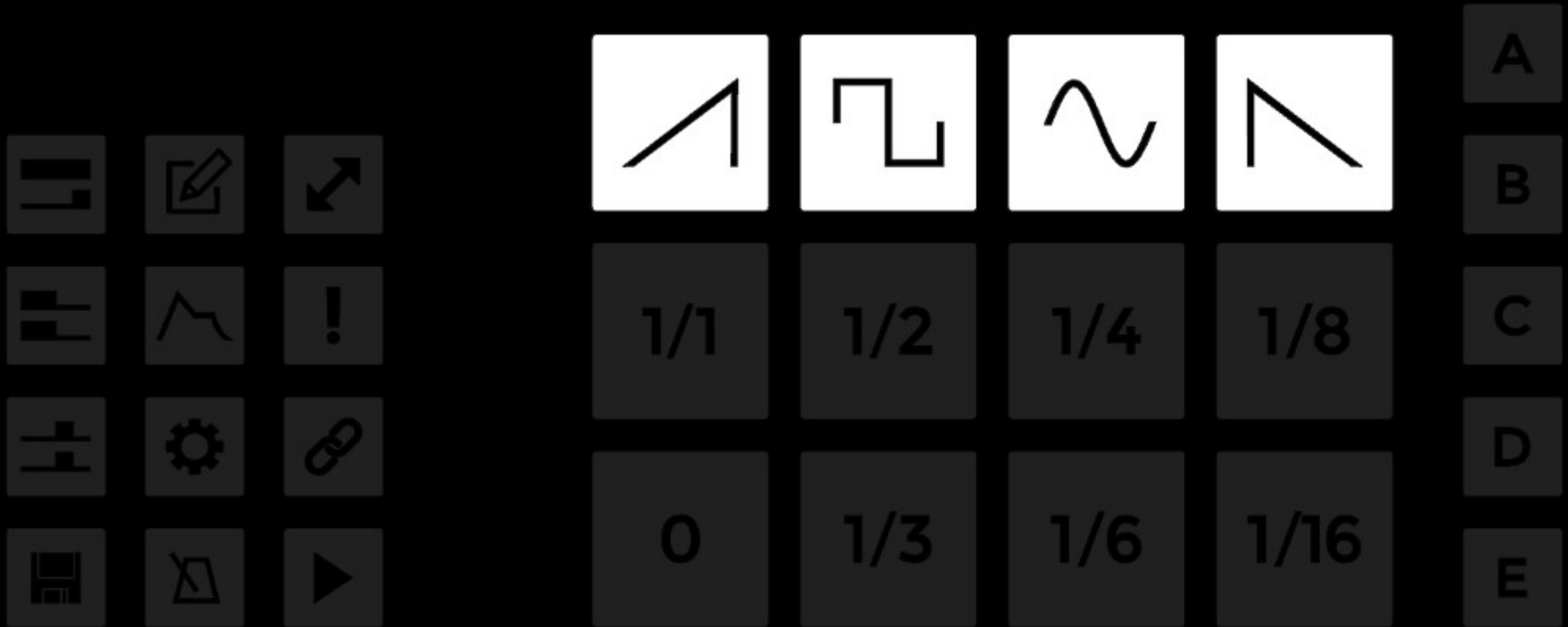
1/6

1/16

LFO Speed



LFO Waveform



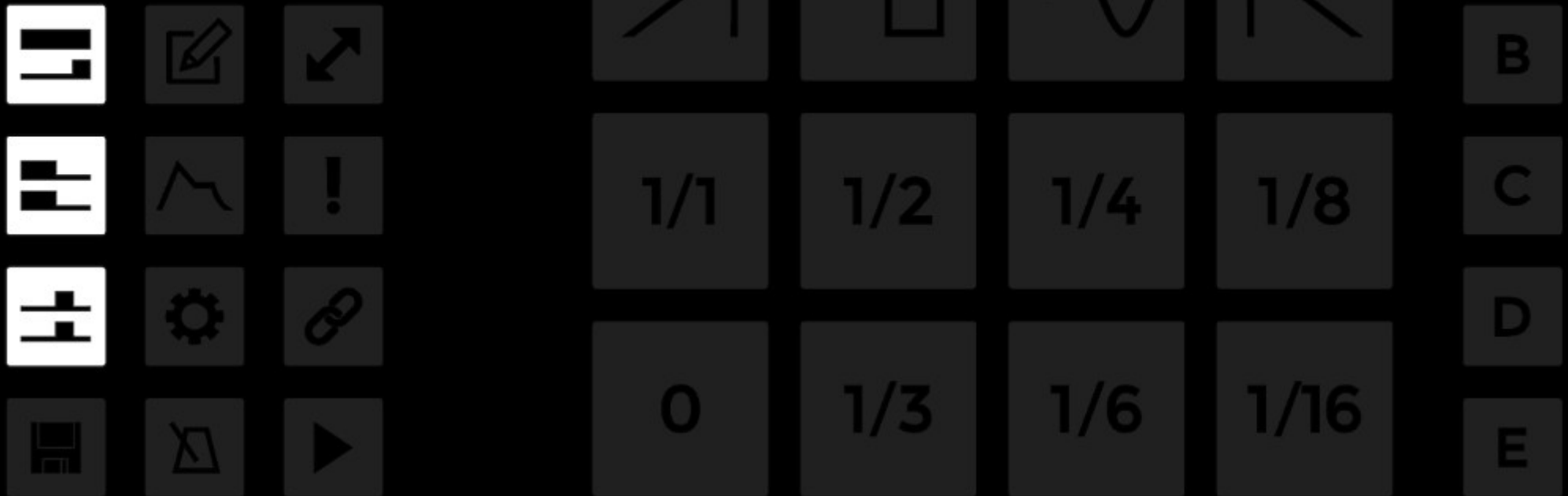
Sounds



Encoders and Displays



Segments



Others



Presets



Presets



Drift

Drift



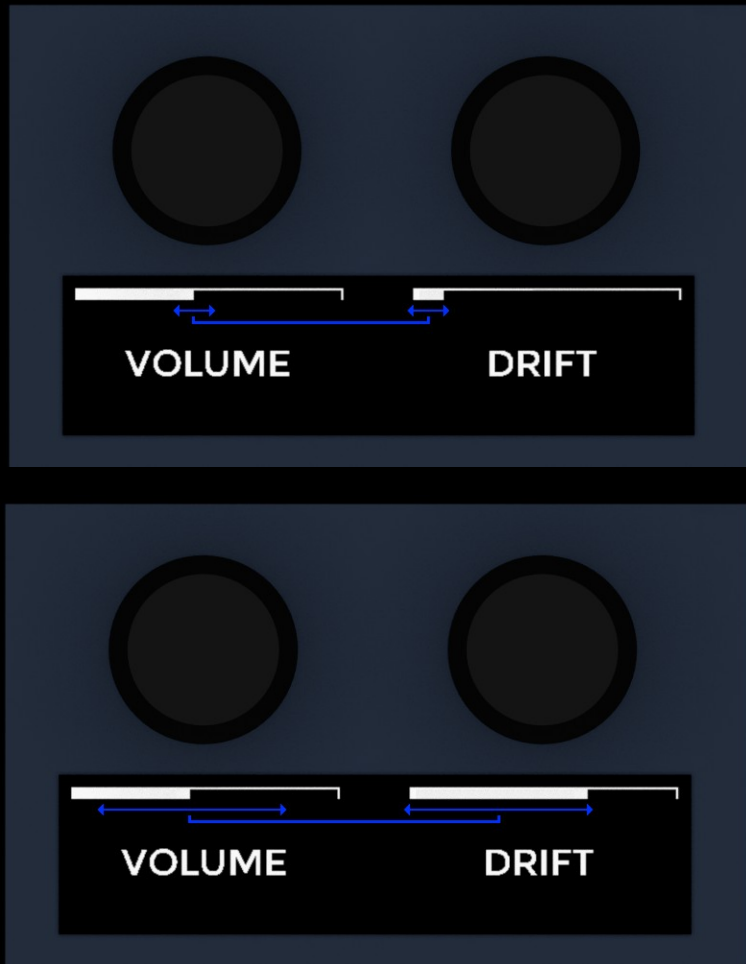
Drift



Drift



Drift Parameter



- Amount
- Polling Speed
- Drift Speed

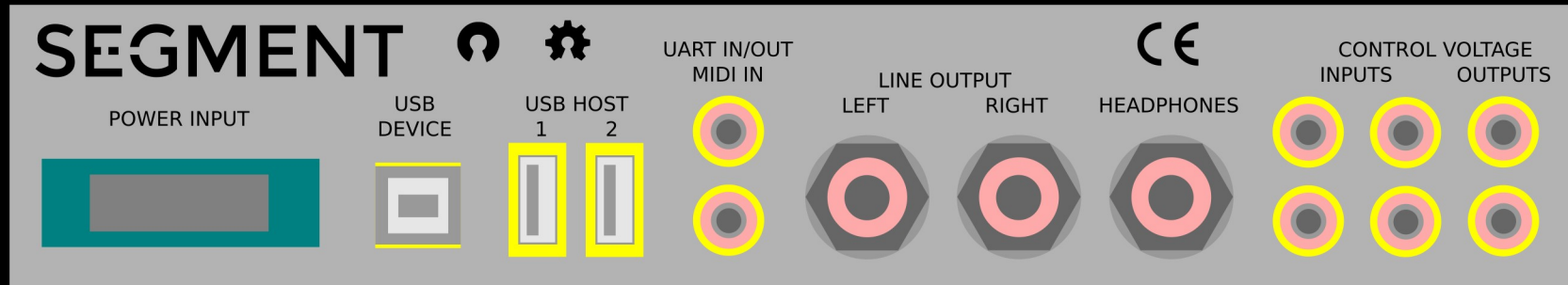
Hardware

- ARM Cortex M4 for audio
- ARM Cortex M4 encoders and displays
- ARM Cortex M0 for buttons and RGB LEDs
- 24bit 48kHz DAC

Software

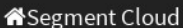
- Bare-metal
- libopencm3 (LGPL v3)
- 32bit float processing
- 10bit internal controls resolution
- OSC
- Zero buffer

Connectivity





- USB Device
- 2x USB Host
- 2x Balanced Line Output, Headphones Output
- 4x Control Voltage Input
- 2x Control Voltage Output
- UART I/O on Minijack
- MIDI Input on Minijack

Segment Cloud




[+ new preset](#) [+ new sound](#)

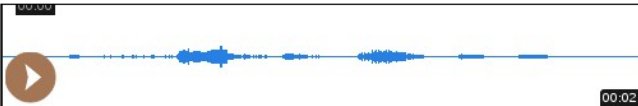
DJ-Sona  [Logout](#) 

Darkness


[Share](#) [details](#) [get it](#)





author: [Willy_De_Jay](#)
Deep into the darkness, deeper than anyone b4!




00:02

[Comment](#)  5x


[Sounds good](#)  3x




LUV IT!!




This sound is just weird...



Definitely adding it to my collection!



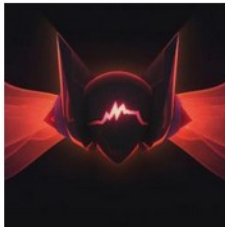
Ja taky komentuju



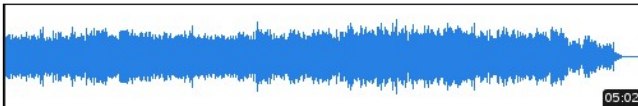
♪♪♪♪♪ nannaanaaa

Ripper


[Share](#) [details](#) [get it](#)





author: [DJ-Sona](#)
This will rip your brain out




05:02

[Comment](#)  1x

[Sounds good](#)  3x




Bestest! keep rolling!



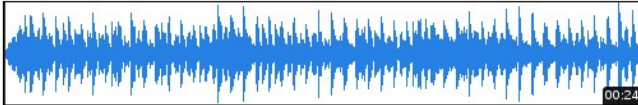
Sound really great! :)

Beatz of love


[Share](#) [details](#) [get it](#)




author: [Willy_De_Jay](#)
Feel the beatz



00:24

[Comment](#)  0x

[Sounds good](#)  3x

As in speech

- Open Source (GPLv3)
- Open Hardware (TAPR)
- All sources and hardware documentation will be released upon funding
- Indiegogo campaign starts May 2015

SEGMENT

- www.twitter.com/SegmentSynth
- www.facebook.com/segmentsynthesizer
- www.segmentsynth.com